

LISTING AND AMENDMENT OF THE CLAIMS

Claim 1. (original) A hydrogel forming system which comprises hydrophobic and hydrophilic components which are convertible into a one phase crosslinked network structure by free radical polymerization.

Claims 2-13 (canceled).

Claim 14 (new). Hydrogel which has a three dimensional crosslinked polymer network structure, formed by the free radical polymerization of a hydrogel forming system, which comprises hydrophobic and hydrophilic components which constitute different compounds from one another, said hydrogel being coated on a surgical implant.

Claim 15. (new). Hydrogel which has a three dimensional crosslinked polymer network structure, formed by the free radical polymerization of a hydrogel-forming system, which comprises from 0.01 to 99.99% by weight of (A) a hydrophobic macromer with unsaturated group terminated ends, and from 99.99 to 0.01% by weight of (B) a hydrophilic polymer which is a polysaccharide containing hydroxy groups which are reacted with unsaturated group introducing compound, and wherein the total of the percentages of (A) and (B) is 100%, said hydrogel being coated on a surgical implant.